

Date: Monday, 5/14/2007 7:13:16 AM
 User: Kim Johnston

Process Sheet

Customer	CU-DAR001 Dart Helicopters Services			Drawing Name	DART 5-MAN 3-POINT FWD FACING SHOULDER HARNESS KIT		
Job Number	32330			Part Number	D412702043B		
Estimate Number	12866			Drawing Number	D412702043B		
P.O. Number	:			Project Number	N/A		
This Issue	5/14/2007	S.O. No.	:	Drawing Revision	D		
Prsht Rev.	NC			Material	:		
First Issue	/ /	Type	SMALL /MED FAB	Due Date	5/15/2007	Qty:	1 Um: Each
Previous Run	:						
Written By	<u>DK 07.05.14</u>						
Checked & Approved By							
Comment	est rev A 07.05.10 new issue EC						

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :	Barcode
1.0	DC	DOCUMENT CONTROL	
		Comment: DOCUMENT CONTROL Photocopy bluefile & type labels per PPP D412-702-043B CHG001	1 KJ 07.05.16
2.0	D412702059	GROMMET KIT	
		Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s) GROMMET KIT batch: B 32324 ✓	
3.0	D412702101B	HARNESS ASSEMBLY	
		Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s) HARNESS ASSEMBLY batch: B 32332 ✓	
4.0	D412702103B	HARNESS ASSEMBLY	
		Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s) HARNESS ASSEMBLY batch: B 32333 ✓	
5.0	D412702105B	HARNESS ASSEMBLY	
		Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s) HARNESS ASSEMBLY batch: B 32334 ✓	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 5/14/2007 7:13:16 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DART 5-MAN 3-POINT FWD FACING SHOULDER HARNESS
KIT

Job Number: 32330

Part Number: D412702043B

Job Number:



Seq. #:	Machine Or Operation:	Description :
6.0	D412702107B	HARNESS ASSEMBLY
7.0	D412702109B	HARNESS ASSEMBLY
8.0	D35421	BRACKET
9.0	D35711	GUIDE
10.0	D35713	GUIDE
11.0	D3578041	DOUBLER
12.0	D3610041	BRACKET

Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

HARNESS ASSEMBLY

batch: B32335 ✓



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

HARNESS ASSEMBLY

batch: B32336 ✓



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

BRACKET

batch: B32129 ✓



Comment: Qty.: 3.0000 Each(s)/Unit Total : 3.0000 Each(s)

GUIDE

batch: B31868 ✓



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

GUIDE

batch: B31869 ✓



Comment: Qty.: 6.0000 Each(s)/Unit Total : 6.0000 Each(s)

DOUBLER

batch: ~~432240~~ B31865 ✓



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

BRACKET

batch: B32240 ✓



7/5/14 8P

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 5/14/2007 7:13:16 AM
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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DART 5-MAN 3-POINT FWD FACING SHOULDER HARNESS
KIT

Job Number: 32330

Part Number: D412702043B

Job Number:



Seq. #:	Machine Or Operation:	Description :
13.0	D36181	CAP
Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s) CAP batch: M32426 ✓		
14.0	AN410A	Bolt
Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s) Bolt batch: M101291 ✓		
15.0	AN444A	Eyebolt
Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s) Eyebolt batch: M19512 ✓		
16.0	MS24693S274	Screw
Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s) Screw batch: M100944 (M104214)		
17.0	MS24694S56	SCREW
Comment: Qty.: 3.0000 Each(s)/Unit Total : 3.0000 Each(s) SCREW batch: M14199 ✓		
18.0	MS24694S58	Screw
Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s) Screw batch: M104407 ✓		
19.0	MS24694S60	Screw
Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s) Screw batch: M104407 ✓		7/15/14 SE

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA:  Date: 07/05/16
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	Part Number	Description
X					D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
	X				D412-702-043B	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
		X			D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
			X		D412-702-047B	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
				X	D412-702-049B	Dart 1-Man 3-Point Forward Shoulder Harness Kit
1	1		1	1	D412-702-059	GROMMET KIT
2	1		1		D412-702-101B	HARNESS ASSEMBLY
1*	1*		1*		D3573-7	ADAPTER
1*	1*		1*		D3579-046	SHOULDER HARNESS
1*	1*		1*		K6.2	CLIP
4*	4*		4*		MS24693S272	SCREW
4*	4*		4*		AN960JD10LL	WASHER
4*	4*		4*		MS21042L3	NUT
1*	1*		1*		D3569-3	DECAL
2	1		1		D412-702-103B	HARNESS ASSEMBLY
1*	1*		1*		D3573-8	ADAPTER
1*	1*		1*		D3579-045	SHOULDER HARNESS
1*	1*		1*		K6.2	CLIP
4*	4*		4*		MS24693S272	SCREW
4*	4*		4*		AN960JD10LL	WASHER
4*	4*		4*		MS21042L3	NUT
1*	1*		1*		D3569-3	DECAL
1	1			1	D412-702-105B	HARNESS ASSEMBLY
1*	1*			1*	D3573-1	ADAPTER
1*	1*			1*	D3579-046	SHOULDER HARNESS
1*	1*			1*	K6.2	CLIP
4*	4*			4*	MS24693S273	SCREW
4*	4*			4*	AN960JD10LL	WASHER
4*	4*			4*	MS21042L3	NUT
1*	1*			1*	D3569-3	DECAL
1	1				D412-702-107B	HARNESS ASSEMBLY
1*	1*				D3573-3	ADAPTER
1*	1*				D3579-046	SHOULDER HARNESS
1*	1*				K6.2	CLIP
4*	4*				MS24693S272	SCREW
4*	4*				AN960JD10LL	WASHER
4*	4*				MS21042L3	NUT
1*	1*				D3569-3	DECAL
1	1				D412-702-109B	HARNESS ASSEMBLY
1*	1*				D3573-3	ADAPTER
1*	1*				D3579-045	SHOULDER HARNESS

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QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	Part Number	Description
1*	1*				K6.2	CLIP
4*	4*				MS24693S272	SCREW
4*	4*				AN960JD10LL	WASHER
4*	4*				MS21042L3	NUT
1*	1*				D3569-3	DECAL
2		2			D412-702-111B	HARNESS ASSEMBLY
1*		1*			D3570-1	BRACKET
1*		1*			D3579-047	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
4*		4*			MS21042L3	NUT
1*		1*			D3569-3	DECAL
2		2			D412-702-113B	HARNESS ASSEMBLY
1*		1*			D3570-2	BRACKET
1*		1*			D3579-048	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
4*		4*			MS21042L3	NUT
1*		1*			D3569-3	DECAL
1			1		D412-702-115B	HARNESS ASSEMBLY
1*			1*		D3573-5	ADAPTER
1*			1*		D3579-046	SHOULDER HARNESS
1*			1*		K6.2	CLIP
4*			4*		MS24693S272	SCREW
4*			4*		AN960JD10LL	WASHER
4*			4*		MS21042L3	NUT
1*			1*		D3569-3	DECAL
1			1		D412-702-117B	HARNESS ASSEMBLY
1*			1*		D3573-5	ADAPTER
1*			1*		D3579-045	SHOULDER HARNESS
1*			1*		K6.2	CLIP
4*			4*		MS24693S272	SCREW
4*			4*		AN960JD10LL	WASHER
4*			4*		MS21042L3	NUT
1*			1*		D3569-3	DECAL
2		2			D3542-1	BRACKET
7	3		4	1	D3571-1	GUIDE
2	2				D3571-3	GUIDE
2		2			D3572-041	GUIDE ASSEMBLY
12	6		6	2	D3578-041	DOUBLER
2	2				D3610-041	BRACKET
2	2				D3618-1	CAP
4	4				AN4-10A	BOLT
2		2			AN4-16A	BOLT
4		4			AN4-25A	BOLT
2	2				AN4-44A	BOLT

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 NO 32330

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	Part Number	Description
2	2				MS24693S274	SCREW
3	3			1	MS24694S56	SCREW
10	2		8		MS24693S58	SCREW
1	1			1	MS24693S60	SCREW
26	6	20			AN960JD416	WASHER
4	4				AN960JD416L	WASHER
12	6	6			MS21042L4	NUT
24	12		12	4	CR3212-4-4	RIVET

*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

25.29 Parts Lists for Dart Grommet Kits

QTY -059	QTY -069	Part Number	Description
X		D412-702-059	GROMMET KIT
	X	D412-702-069	GROMMET KIT
48		D3619-1	GROMMET
1		D3619-1T1	HOLE PUNCH
1		D3619-1T2	STRIKER BLOCK
1		D3619-1T3	PUNCH
1		D3619-1T4	DIE
24		D3619-2	GROMMET
1		D3619-2T1	HOLE PUNCH
1		D3619-2T2	STRIKER BLOCK
1		D3619-2T3	PUNCH
1		D3619-2T4	DIE

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